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09/380,336**Listing of Claims**

This listing of claims replaces all previous listings of the claims.

1. (Currently amended) A method for detection of an analyte in a test sample comprising the steps of:

preparing a lanthanide ion-ligand complex by mixing a lanthanide ion and a ligand, wherein the lanthanide ion is selected from the group consisting of neodymium (III) ion, ytterbium (III) ion ( $\text{Yb}^{3+}$ ) and erbium (III) ion ( $\text{Er}^{3+}$ ), and wherein said ligand is bonded to a sensitizing moiety, which absorbs light in the 400–1000 nm region;

labeling a reactant or immunoreactant with the lanthanide ion-ligand complex by contacting the reactant or immunoreactant with the lanthanide ion-ligand complex to form a labeled reactant or immunoreactant;

mixing an analyte, a specific binding partner for the analyte, and the labeled reactant or immunoreactant to form a mixture, whereby the analyte will bind with the specific binding partner for the analyte and with the labeled reactant or immunoreactant;

separating unbonded lanthanide ion ligand complexes;

irradiating the mixture with light having a wavelength ranging from 400 nm to 1000 nm;

measuring an emitted luminescence from the complexes in said mixture formed by binding of said analyte, said specific binding partner, and said labeled reactant or immunoreactant ~~said mixture~~; and

detecting the analyte using said luminescence measurement.

2. (Previously presented) The method as claimed in claim 1, wherein the lanthanide ion is selected from the group consisting of neodymium (III) ion ( $\text{Nd}^{3+}$ ) and ytterbium (III) ( $\text{Yb}^{3+}$ ).

3. (Previously presented) The method as claimed in any one of claims 1 and 2, wherein the sensitizing moiety is selected from the group consisting of fluorescein derivatives; triphenylmethane derivatives; porphyrin derivatives; rhodamine derivatives; phenothiazine derivatives; phenoxazine derivatives; coumarin derivatives; acridin derivatives; thio-indigo derivatives; indigo derivatives; carbocyanine derivatives; squaraine derivatives; naphthalocyanine derivatives; and phthalocyanine derivatives.

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4. (Previously presented) The method as claimed in claim 1, wherein the ligand is a composition which comprises, as one of its constituents, a compound which comprises an element selected from the group consisting of oxygen, nitrogen, phosphorous, and sulfur moieties which complexes with Nd (III), Yb (III), or Er (III) ions, and the sensitizing moiety is selected from the group consisting of fluorescein derivatives; triphenylmethane derivatives; porphyrin derivatives; rhodamine derivatives; phenothiazine derivatives; phenoxazine derivatives; coumarin derivatives; acridin derivatives; thio-indigo derivatives; indigo derivatives; carbocyanine derivatives; squaraine derivatives; naphthalocyanine derivatives and; phthalocyanine derivatives.

5-6. (Canceled)

7. (Previously presented) The method of claim 4, wherein the compound is selected from the group consisting of polyaminocarboxylic acid, pyridine dicarboxylic acid, and a derivative thereof.

8-14. (Canceled)